INTERNATIONAL SEARCH REPORT

International application No.

PCT/US06/15310

A. CLASSIFICATION OF SUBJECT MATTER IPC: H01L 21/336(2006.01),29/76(2006.01)			
L'SPC: 438/268,270;257/330 According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) U.S.: 438/268,270; 257/330			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EAST, mesa, lamellaS4, fin, silicon, conduct\$4, body, dop\$4, trench, groove			
C. DOC	UNIENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where an	opropriate, of the relevant passages	Relevant to claim No.
x	US 6,307,246 (Nitta et al.) 23 Oct 2001 (23.10.2001 column 10, lines 15-26, column 13, lines 6 - 29, column 14,	umn 14, lines 46 - 52.	1 - 26
Further	documents are listed in the continuation of Box C.	See patent family annex.	
"A" Jocument of particu	pecial categories of cited documents: I defining the general state of the art which is not considered to be star relevance.	"T" later document published after the inte date and not in conflict with the applic principle or theory underlying the inve "X" document of particular relevance; the	ation but cited to understand the inition
"I." continues which may throw doubts on priority claim(s) or which is ened to establish the publication date of another citation or other special reason (as specified).		considered novel or cannot be considered to involve an investive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such con-bination.	
ur neumen	referring to an oral disclosure, use, exhibition or other means	combined with one of more other such being obvious to a person skilled in th	
"!" Jocument prohished prior to the international filing date but later than the recurrency date claimed			family
Date of the actual completion of the international search		Date of mailing of the international search report	
29 July 2006 (29,07,2006)		21 SEP 2006	
Name and mailing address of the ISA/US Mail Stop PCT, Aun: ISA/US		Authorized officer	
Commissioner for Patents P.O. Box 1450		Long Tran	
Alexandria, Virginia 22313-1450		Telephone No. 571-272-1797	
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